PROFILE

PERSONAL DETAILS

Name	:	Dr.S.Suganthi
Date of Birth	:	24-05-1981
Qualification	:	M.C.A.,M.Phil.,M.E.,Ph.D.,NET.,
Designation	:	Assistant Professor
Department	:	Computer Science
Community	:	Hindu
Nationality	:	Indian
Email ID	:	ssuganthi@gvncollege.edu.in

ACADEMIC QUALIFICATION

Degree	Specialization	College	University	Year of Passing
Ph.D	Computer Science	Mother Teresa Women's University	Mother Teresa Women's University	2022
NET	Computer Science	Qualified		
M.Phil	Computer Science	Annamalai University	Annamalai University	2007
M.E	Computer Science	National Engineering College	Anna University	2013
M.C.A	Computer Science	Sri Sarada College	Bharathidasan University	2004
B.Sc	Mathematics	Sri Sarada College	Manonmaniam Sundaranar University	2001
H.Sec.	Tamil Medium	Govt.Girls Higher Sec.School	State Board	1999
SSLC	Tamil Medium	Govt.Girls High School	State Board	1997

ACADEMIC IDENTITY

*VIDWAN ID	https://vidwan.inflibnet.ac.in/profile/423677
*ORCID ID	https://orcid.org/0000-0001-9227-9149
*SCOPUS ID	58352956100
*RESEARCHER ID/ PUBLONS ID	ABC-2294-2020
GOOGLE SCHOLAR LINK	

TEACHING EXPERIENCE	
Date of Appointment	01-10-2021
Date of Retirement	31-12-2040
Teaching Experience	13
UG	6
PG	7
Research	7

TEACHING EXPERIENCE				
COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc,M.Sc	G.Venkataswamy Naidu College	01.10.2021	Till Now	3
B.E.,M.C.A	National Engineering College	15.07.2008 15.07.2013	31.06.2010 31.06.2016	2 3
Diploma	Bharathiyar Women's Polytechnic	15.04.2005	10.04.2008	3

AWARDS RECEIVED	
S.No	Title of the Award
1	Senior Innovator Award
2	Best Faculty Award

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme	UGC-MMTTC, University Grants Commission	University of Kerala, Kariavattom, Thiruvananthapuram, 16th May - 28th May 2024
2	Faculty Development Program on Exploring Technological Advancements: A Voyage into Emerging Horizons	--	20th Nov - 27th Nov 2023
3	ACM Webinar on "Chat GPT- A Step forward to Conversational Excellence"	ACM	Don Bosco College, Tiupattur District, 6th July 2023
4	Workshop on NPTEL-E-	NPTEL	4th July 2023

	Awareness		
5	Workshop on Learning Management System - Moodle Based Learning	IQAC & OBE Monitoring Committee	GVN College, Kovilpatti, 14th Dec 2022
6	National Level Seminar on NAAC Accreditation Process: Preparation & Stakeholders Feedback	VOC College	Thoothukudi, 12th Nov 2022
7	Training Programme on National Intellectual Property Awareness	--	GVN College, Kovilpatti, 11th Nov 2022
8	Faculty Development Programme on Recent Advancements in Computing Technology	--	SRNM College, Sattur, 13th Feb - 17th Feb 2023
9	Online Webinar on Supervised and Unsupervised Machine Learning Algorithms	--	MTWU, Kodaikanal, 20th Oct 2020
10	Workshop on Research Methodology for Ph.D Scholars	--	MTWU, Kodaikanal, 13th Sep - 14th Sep 2019
11	Faculty Enablement Program FOUNDATION PROGRAM 4.0	Infosys Limited	13th July 2015 - 18th July 2015
12	Train The Trainer Program on PYTHON PROGRAMMING	Infosys Limited	18th May 2015 - 20th May 2015
13	National Level Workshop on BIGDATA ANALYTICS	Anna University, Regional Center	Coimbatore, 26th Dec - 27th Dec 2014
14	National Seminar on Research Issues and Challenges in Cognitive Science	National Engineering College	Kovilpatti, 1st Feb - 2nd Feb 2013
15	National Seminar on Research Opportunities in Machine Learning and Natural Language Processing	National Engineering College	Kovilpatti, 3rd Dec - 6th Dec 2012
16	National Seminar on Research Motivation - A Perspective	National Engineering College	Kovilpatti, 30th Nov - 1st Dec 2012
17	National Seminar on Contemporary Research Avenues in Nomadic Computing	National Engineering College	Kovilpatti, 18th Dec - 19th Dec 2009
18	National Seminar on Recent Trends and Research Directions Towards Cloud Computing	National Engineering College	Kovilpatti, 9th Oct - 10th Oct 2009
19	Workshop on Middleware Technologies	Mepco Schlenk Engineering College	Sivakasi, 20th Feb 2010
20	National Seminar on Autonomic Computing	National Engineering College	Kovilpatti, 1st Aug - 2nd Aug 2008
21	Workshop on Distributed Computing	Mepco Schlenk Engineering College	Sivakasi, 28th Feb 2009
22	Workshop on Women Empowerment	National Service Scheme, Tamilnadu Polytechnic College, Madurai	8th Mar 2007
23	National Seminar on Advancement in Networking,	Global Village, Computer Education	Karur, 3rd Mar 2003

	Internet and E-Commerce		
24	National Seminar on Satellite Communication	Sri Sarada Niketan College of Science for Women	Karur, 5th Oct 2002
25	Short-term Course on FOXPRO	Sri Sarada College for Women	Tirunelveli, 16th Aug 1999 - 21st Oct 1999

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Ph.D	An Automated Game Theory to Detect and Prevent Attacks of Intrusion in IOT Devices	Mother Teresa Women's University
M.Phil	Protein Fold Classification a Data Mining Kernal Approaching Method	
M.C.A		

STUDENT RESEARCH PROJECTS GUIDED

S. No	Student Name	Title of the Project	Year
1.	Vignesh Santhanakumar	Design and Development of Alumni's Hub	2024-2025
2.	Divya Bharathi	Development of leave management App	2024-2025

PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
1	5	5	3	5
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
15	10	5	25	

PUBLICATIONS: BOOKS

S. No	Title of the Book	Publication	Year
1.	Python for Beginners	Charulatha Publication	2024
2.	**Python Hand Book**	Amazon Kindle	2023
3.	Python in Tamil	Emerald Publication	2024

BOOK CHAPTERS

S.No	Title of the Paper	Name of the Book	ISSN No. Pg.No
1	Artificial Intelligence in Fish Genetics and Biotechnology	Application of Molecular Markers in Fisheries and Aquaculture, Volume II	ISBN: 978-93-95847-61-2
2	Design and Implementation of Interactive IoT-Based Tamil	Contemporary Research	ISBN: 978-81-978738-1-2

	Braille Keypad for Visually Impaired School Children	Across Disciplines, SAN International Scientific Publications, Volume II	
3	Optimization Techniques for Improving AI-driven Demand Forecasting in E-Commerce	AI in Demand Forecasting in Ecommerce Application (CRC Press)	--
4	Artificial Intelligence in Climate-Smart Agriculture in the Global South	AI in Demand Forecasting in Ecommerce Application (CRC Press)	--
5	EVOLUTION OF AGRICULTURE: FROM TRADITION TO MODERNITY	Precision Agriculture - Bridging Technology and Tradition, Volume I & II	--

PUBLICATIONS: SCOPUS INDEXED JOURNALS&WEB OF SCIENCE			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	THE INTELLIGENT CONNECTION MANAGEMENT MODEL TO ENHANCE THE SECURITY OF CLOUD COMPUTERS IN HIGH-DENSITY FOG NETWORKS	Eng. Proc. (MDPI)	1850-4535
2	ENERGY EFFICIENT GAME THEORY BASED ATTACKS DETECTION FOR DISASTER MANAGEMENT IN IOT NETWORKS	Novyi MIR	--
3	MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION WITH ENERGY-DENSITY CENTROID BASED DEPUTY CLUSTER HEAD SELECTION SCHEME FOR IOT BASED SENSOR NETWORKS	Solid State Technology	--
4	ENERGY EFFICIENT CLUSTER HEAD SELECTION IN SOFTWARE DEFINED NETWORKING USING IMPROVED PARTICLE SWARM OPTIMIZATION	International Journal of Scientific & Technology Research	2277-8616
5	ENHANCING GRAY WOLF OPTIMIZATION WITH RECURRENT NEURAL NETWORKS FOR IMPROVED OPTIMIZATION PERFORMANCE	Telematique	1856-4194

PUBLICATIONS: UGC LISTED

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	GLAUCOMA DETECTION USING IMAGE PROCESSING TECHNIQUE: A SURVEY	International Conference on Wireless and Mobile Network Security	ISBN: 978-81-960484-2-6
2	SINGLE LEADER SINGLE FOLLOWER GAME FOR DETECTING NETWORK ATTACKS IN WSN	Journal of Inventive and Scientific Research Studies	2584-0630
3	NETWORK ATTACK DETECTION USING STACKELBERG GAME IN WIRELESS SENSOR NETWORKS	International Conference on Smart Innovative Techniques on Data Analytics	--
4	RULE BASED APPROACH FOR PREPOSITIONAL PHRASE ATTACHMENT IN ENGLISH-TAMIL TRANSLATION	International Journal of Computer Applications	--
5	A SURVEY OF INTRUSION DETECTION SYSTEM IN IOT DEVICES	International Journal of Advanced Research	--

PUBLICATIONS: WEB OF SCIENCE

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	AUTOMATIC TELEGRAM CHANNELS SCRAPING SYSTEM	Telematique	1856-4194
2	ENHANCING LIFETIME OF NETWORK USING CLUSTERING ALGORITHMS: A LITERATURE SURVEY	International Journal of Health Sciences	--

CONFERENCE DETAILS

S. No	Title of the Paper	Name of the Conference	Date
1	Design and Implement an Interactive IoT based Tamil Braille keypad for Visually Impaired School Children	4th INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELING AND COMPUTATIONAL SCIENCE (ICMMCS 2025)	January 10-11, 2025, Bangkok, Thailand
2	AUTOMATED VOICE BASED BRAILLE SCRIPT TEACHING AID USING IOT	International Conference on Advanced Systems and Emerging Technologies 2023	December 20-21, 2023
3	DESIGN AND DEVELOPMENT OF A COTTON STRIPPER USING AIR FLOW AND PRESSURE SENSOR FOR SUSTAINABLE	One-day Seminar & Exhibition on G20 New Delhi Leadership Declaration and Emerging World Order	November 9, 2023, VOC Auditorium, MS University

	AGRICULTURE		
4	NETWORK ATTACK DETECTION USING STACKELBERG GAME IN WIRELESS SENSOR NETWORKS	International Conference on Smart Innovative Techniques on Data Analytics	May 26, 2023
5	INTELLIGENT BASED CROP PREDICTION FOR AGRICULTURE APPLICATION	International Conference on Novel Research and Development	May 2023
6	SCALABLE AND SECURE OF PERSONAL HEALTH RECORDS IN CLOUD COMPUTING USING ATTRIBUTE-BASED ENCRYPTION	International Journal of Novel Research and Development (IJNRD)	May 2023
7	SECURE SOFTWARE-DEFINED NETWORKING MODEL FOR INTRUSION DETECTION SYSTEM	International Conference on Emerging Trends in Computing, Communication and Automation Technology	March 9, 2019
8	A MULTI LEADER MULTI FOLLOWER STAKELBERG GAME FOR DETECTING BLACK HOLE AND WARM HOLE ATTACKS IN WSN	National Conference on Computer Science and Applications (NCCSA 2020)	March 6 & 7, 2020
9	STACKELBERG GAME FOR DETECTING DOS ATTACK IN WSN	National Conference on Exploring the Expectations and Executions in Scientific Research	July 16-17, 2020
10	AN RULE BASED TECHNIQUE FOR HANDLING PREPOSITIONAL PHRASES WITH LESS AMBIGUITY IN ENGLISH-TAMIL MACHINE TRANSLATION	14th Tamil Internet Conference	June 30 - July 1, 2015
11	AN EFFICIENCY DEPENDENCY PARSER USING HYBRID APPROACH FOR TAMIL LANGUAGE	ICICA 2014	March 6-7, 2014
12	AN AUTOMATED SYSTEM FOR TAMIL NAMED ENTITY RECOGNITION USING HYBRID APPROACH	ICICA 2014	March 6-7, 2014
13	ENGLISH-TAMIL TRANSLATION USING SEMANTIC APPROACH FOR PREPOSITIONAL PHRASE ATTACHMENT	NCILC-2013	January 19-20, 2013
14	SEMANTIC BASED ORTHOGRAPHIC WITH PREPOSITIONAL PHRASE FOR ENGLISH-TAMIL TRANSLATION	IHCI'2012	December 27-29, 2012
15	AN EFFECTIVE ENHANCED COLLISION CONTROL MECHANISM FOR WIRELESS SENSOR NETWORKS	ACENET'09	March 21, 2009

16	THE PERFORMANCE ANALYSIS OF ROUTING PROTOCOLS IN WIRELESS SENSOR NETWORKS – A CASE STUDY	ISSSIS 2009	January 8-10, 2009

AS A RESOURCE PERSON			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1	Data Analytics Tools and Techniques	Department of B.Com-Business Analytics	25.03.2023, GVN College, Kovilpatti
2	C for Everyone	Department of Chemistry, GVN College	07.02.2023, GVN College, Kovilpatti
3	Kani Tamil Payirchi	Department of Computer Science, K.R College	07.08.2023, K.R College, Kovilpatti
4	Tamil Kani Payirchi	Department of Tamil, GVN College	23.08.2023, GVN College, Kovilpatti
5	Cyber Security	Department of IT, GVN College	05.07.2022, GVN College, Kovilpatti

MEMBERS IN PROFESSIONAL BODY			
S. No	**Name of the Body**	**Member ID**	**Location of the Body**
1	Member in ISTE		New Delhi

Date:27-12-2024

Signature